Amendments to the Specification:

Please amend the specification as follows:

Please replace paragraph number [0091] on page 38 of the specification, with the following rewritten paragraph:

[0091] As seen from the illustrated systems of FIGS. 5 and 6, a system may include a variety of commercially available packages. Such packages often are not adaptable to interact with each other. For example, the output from the reactor model 530 using Chemkin may not be acceptable as input by the CFD module 540 using STAR CD. This problem may be further complicated by the need to communicate uncertainty information for the various parameters. To this extent, a common data architecture may be applied to allow the data and the uncertainties to be propagated between the various modules. One such data architecture using XML is described in U.S. Patent Application titled "METHOD AND APPARATUS FOR INFORMATION EXCHANGE FOR INTEGRATION OF MULTIPLE DATA SOURCES", <u>U.S. Patent Application Serial No. 10/613,706,</u> Attorney Docket No. 037010-0106, filed concurrently herewith and incorporated herein by reference in its entirety. FIGS. 7A and 7B illustrate an embodiment of a data architecture and an exemplary XML data file. The data architecture illustrated in FIG. 7A is adapted to accommodate any one of a group of uncertainty distributions. An element called "name" 710 is provided to identify the type of distribution for a particular variable. In the example illustrated in FIG. 7B, the "name" of the distribution is PDF, or probability density function. Another element called "description" 720 is provided to further describe the distribution. For example, in the example of FIG. 7B, several types of PDF distributions may be possible, including a "normal" distribution. Other PDF distributions may include exponential PDF distribution. Depending on the "name" and the "description" of the uncertainty distribution of the particular variable, one or more description elements may be provided to describe the actual distribution. In this regard, FIG. 7A illustrates the data architecture as including an attribute list 730 which is a function of the "name" and "description" parameters. For example,

the example illustrated in FIG. 7B has a normal PDF distribution, requiring that the mean and the standard deviation be specified in order to completely describe the distribution.